

So we now know a little about graphing, it is best now to make some graphs.

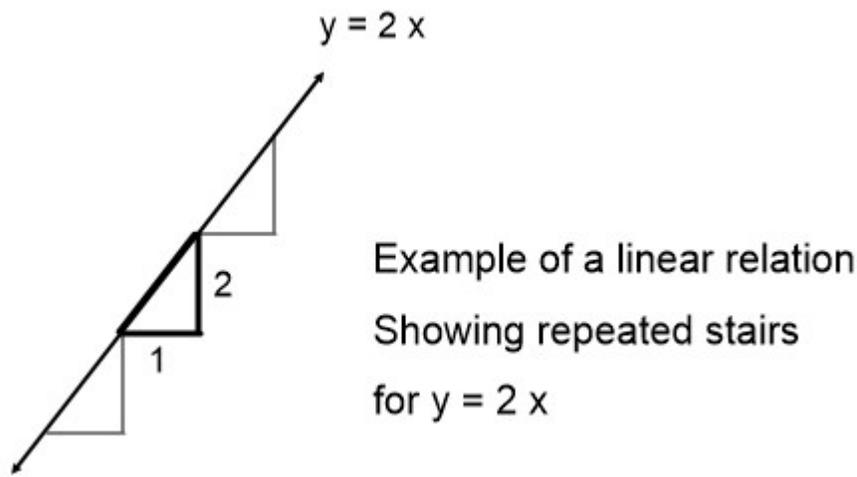
I need you to make a graph for each equation. I'll do the first and easiest one.

For each graph you need to make :

a t – chart (you pick indep then solve for dep)

make a graph with all necessary pieces of info.

I see linear relations as a series of steps, please draw and label one step on each graph.



In this time, when you are essentially teaching yourself with my help you have to think a lot more because we are doing a lot less. For most of you you are doing fine but the minimum is not enough.' What does that mean $2 + 3 = 5$ I am not giving 20 questions but you should know how to solve 20 questions

Some rules you need to remember for graphs –

they need the axis labelled and numbered evenly (in this question just x and y)

you pick the independent numbers for the x – axis

I generally pick easiest numbers I use -1, 0, 1, 2, 5 you need to have at least 4 points

for some questions like $y = x / 2$ it would be easier to pick all even numbers

even though we could use difficult numbers like a price of \$ 22.98 to figure out the cost

you then need to calculate the y – axis or dependent variable

Label each line as done in the example

Show 1 step and put the 2 numbers on the step

Now for your work, I graphed $y = x$, you need to graph

- 1) $y = 3x$
- 2) $y = -1x$
- 3) $y = \frac{1}{2}x$
- 4) $y = \frac{2}{3}x$
- 5) $y = -2.5x$

When your done I need you to complete the summary

This is what you should be thinking about, but I am giving you some guidance.

You can copy the graph paper with 6 and do them separately or make 2 graphs with several on each

MAKE IT NEAT !!!!!!!

Summary

After completing several graphs I must remember to include _____, _____, _____, . . . in each one.

If the equation is $y = m x$ if m is a positive the graph goes in an upward direction.

If m is negative then _____

If m is a fraction then _____

If m is a big number then _____

The independent Var is the _____ axis it is the one we choose or set. We can pick values that make our calculations easier because for the example $y = \frac{1}{3}x$ we should use values that are _____

The dependent var is the _____ axis it is called that because it is dependent on _____ these values need to be calculated.